

Wireless IR Remote Extender

15-1950

OWNER'S MANUAL — Please read before using this equipment.

! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚠ — Warning

⚡ — Caution

📝 — Note

! — Important

💡 — Hint

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

The lightning symbol is intended to alert you to the presence of uninsulated dangerous voltage within this product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.

The exclamation symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

FCC DECLARATION OF CONFORMITY

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Product: Wireless IR Remote Extender

Model: 15-1950

Responsible RadioShack
Party: 100 Throckmorton
Fort Worth, TX 76102

Phone: 817-415-3200



⚡ CAUTION ⚡

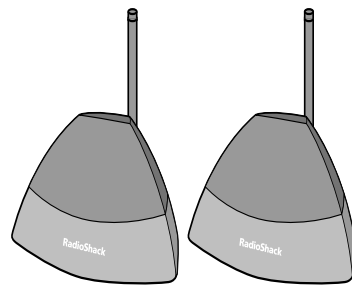


You must use a Class 2 power source that supplies 12V DC and delivers at least 120 mA. Its center tip must be set to positive and its plug must fit the receiver's **DC 12V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the receiver or the adapter.

- Always connect the AC adapter to the receiver before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the receiver.

Thank you for buying the RadioShack Wireless IR Remote Extender, which extends your existing remote control's operating range. The extender lets you control your TV, VCR, stereo, CD player, or cable converter from a greater distance than any of your existing remote controls. You need not worry about line-of-sight requirements.

Your extender includes a transmitter and a receiver. The transmitter senses the infrared signals from your audio/video equipment's remote controls and converts them into wireless transmissions. The receiver senses these transmissions, converts them back into identical infrared signals, then relays them to your audio/video equipment.

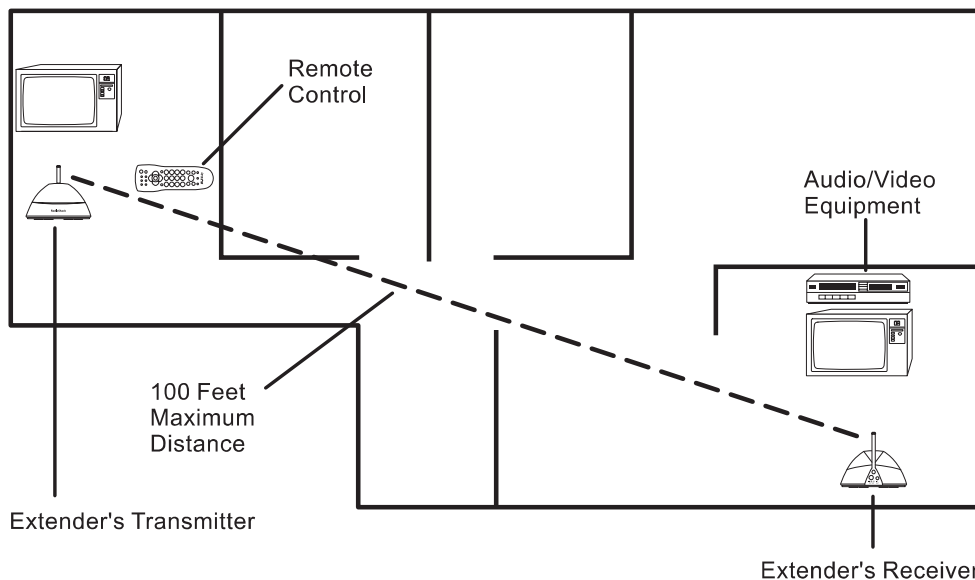


Full Remote Control Compatibility — receives, converts, and relays infrared signals from virtually any infrared remote control.

Powerful Radio Frequency — lets you control audio/video equipment from anywhere in your house, up to 100 feet (30.5 meters) away.

INSTALLATION

INSTALLING THE RECEIVER



- Place the receiver in front of the audio/video equipment and position it:

- within 20 feet (6.1 meters) of the audio/video equipment's remote sensor
- where the front of the receiver directly faces the audio/video equipment's remote sensor

The first time you use the extender, rotate and adjust the receiver's telescoping antenna until you get the best reception.

- Fully extend the telescoping antenna.

You can easily identify the receiver or transmitter from the label pasted on the bottom of the product. The receiver is equipped with **DC 12V** and **IR OUT** jacks, and the transmitter is equipped with one **DC 12V** jack.

- Connect the supplied AC adapter's barrel plug into the receiver's **DC 12V** jack, then connect the adapter's AC plug to a standard AC outlet. ⚡



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CAUTION



You must use a Class 2 power source that supplies 12V DC and delivers at least 120 mA. Its center tip must be set to positive and its plug must fit the transmitter's **DC 12V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the transmitter or the adapter.

- Always connect the AC adapter to the transmitter before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the transmitter.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street,
6th Floor, Fort Worth, TX 76102

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CONNECTING THE IR REPEATER

You can connect the supplied IR repeater when you need to place the receiver next to your audio/video equipment instead of in front of it.

1. Insert the repeater's plug into the receiver's $\frac{3}{32}$ -inch (2.5 mm) **IR OUT** jack.
2. Position the front of the repeater facing the audio/video equipment's remote sensor.

To avoid interrupting the signal between the remote control and the audio/video equipment, do not place the IR repeater directly in front of the audio/video's remote sensor.

3. Use the supplied adhesive tape on the back of the IR repeater to stick it in front of the audio/video equipment.

INSTALLING THE TRANSMITTER

1. Place the transmitter away from the audio/video equipment and the remote extender's receiver (in another room, for example) and position it:
 - within 100 feet (30.5 meters) of the remote extender's receiver
 - within 20 feet (6.1 meters) of the location where you will be using your remote control
 - with the transmitter's front facing your remote control
2. Connect the supplied AC adapter's barrel plug into the transmitter's DC 12V jack, then connect the adapter's AC plug to a standard AC outlet.

The extender's LEDs (particularly the transmitter's) might blink occasionally. This is caused by interference in the local vicinity and is normal.

THE FCC WANTS YOU TO KNOW

Your extender might cause TV or radio interference even when it is operating properly. To determine whether your extender is causing the interference, turn off your extender. If the interference goes away, your extender is causing it. Try to eliminate the interference by:

- moving your extender away from the receiver
- connecting your extender to an outlet that is on a different electrical circuit from the receiver

- contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using your extender.

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CARE

Keep the extender dry; if it gets wet, wipe it dry immediately. Use and store the extender only in normal temperature environments. Handle the extender carefully; do not drop it. Keep the extender away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

SERVICE AND REPAIR

If your extender is not performing as it should, take it to your local RadioShack store for assistance. Modifying or tampering with the extender's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it.

SPECIFICATIONS

Power Supply ... 120 VAC/60Hz, 12 VDC/120mA

Transmitter

Transmit Frequency 418 MHz
Modulation Type Amplitude Shift Keying
Transmit Power (EIRP) (FCC) 1 mW
Frequency Accuracy ± 1 MHz
Remote Range (R/C to TX) 20 ft
(6.1 m)
Extension Range (TX to RX) (Min) 100 ft
(30.5 m)

Receiver

Operation Frequency 418 ± 1 MHz
Input Sensitivity (min.) -85 dB
Remote Range (RX to VCR) 20 ft
(6.1 m)
External IR Jack $\frac{3}{32}$ in. (2.5 mm)
Operating Temperature 32° to 104° F
(0° to 40° C)
Dimensions (HWD) $2\frac{5}{8} \times 3\frac{7}{8} \times 3\frac{1}{16}$ in.
($66 \times 99 \times 78$ mm)
Weight
Receiver 3.17 oz (90 g)
Transmitter 3.53 oz (100 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.